

Title (en)  
TRANSGENIC MICE EXPRESSING FLUORESCENT PROTEIN UNDER THE CONTROL OF THE NESTIN PROMOTER

Title (de)  
TRANSGENE MÄUSE, DIE EIN FLUORESZENZMARKIERTES PROTEIN EXPRIMIEREN, DAS VOM NESTIN-PROMOTER KONTROLLIERT WIRD

Title (fr)  
SOURIS TRANSGENIQUES EXPRIMANT UNE PROTEINE FLUORESCENTE

Publication  
**EP 1235857 A1 20020904 (EN)**

Application  
**EP 00978585 A 20001114**

Priority  
• US 0031150 W 20001114  
• US 44433599 A 19991119

Abstract (en)  
[origin: WO0136482A1] Non-human transgenic mammals are produced which have, incorporated in their genome, DNA which includes a regulatory sequence of a mammalian nestin gene, operably linked to a gene coding for a marker/reporter protein. The regulatory sequence can include a promoter and a sequence present in the second intron of the mammalian nestin gene. Preferably, the marker/reporter protein is a fluorescent protein, for example a green fluorescent protein, modified for enhanced fluorescence. Multipotent and, in particular, neural stem and progenitor cell populations are observed in the organs of the non-transgenic mammal or progeny thereof. Multipotent stem and progenitor cells are isolated directly from the non-human transgenic mammal, progeny or embryo thereof, for example by FACS, without culture passages.

IPC 1-7  
**C07K 14/47**; **A01K 67/027**; **C12N 5/10**

IPC 8 full level  
**A01K 67/027** (2006.01); **C07K 14/47** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/85** (2006.01); **C12Q 1/02** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
See references of WO 0136482A1

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